

Date: Fri, 29 Oct 93 04:30:10 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1281
To: Info-Hams

Info-Hams Digest Fri, 29 Oct 93 Volume 93 : Issue 1281

Today's Topics:

AX.25 Specifications on the net?
 BAUD VS BAUDS
 Help
 Studying in San Francisco
test osc(Ka1kjz needs) (2 msgs)
 test osc ka1kjz needs
 TS450S TX mod
ZA1QA - Anyone Get a QSL??

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 29 Oct 93 09:45:55 GMT
From: news-mail-gateway@ucsd.edu
Subject: AX.25 Specifications on the net?
To: info-hams@ucsd.edu

You can find a more detailed explanation of the protocol either on
ARRL info server or at HAM-server@Grafex.sbay.org.
Both are automated mail servers so you have to send a msg like :

INDEX
QUIT

in the message body (QUIT should be used if you get problems with the .sig).
I've been through this same days ago and I find the file at GRAFex quite
comprehensive (I only miss a couple of info yet to start my project). Don't have
the arrl version handy but I would imagine that they are more or less the same.

If you need a copy quickly, let me know your email addr and I'll send it to you.

73, marco

--

```
-----
Marco Fassiotto      | Voice : +39-125-524650 | ham  : IX1IIY/1
System Software Engineer | Fax :   +39-125-424294 | pkt  : ix1iiy@ik1brm-8
Laser Printers Project Dept. | Data:   +39-125-524374 -----
Olivetti             | Internet : fax@sparc4.ico.olivetti.com
                    |                    fax%sparc4@olivetti.com
-----
```

Date: Wed, 27 Oct 1993 12:58:29 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!
cs.utexas.edu!asuvax!ennews!mcdphx!schbbs!mothost!lmpsbbs!magerlmac1.comm.mot.com!
user@network.ucsd.edu
Subject: BAUD VS BAUDS
To: info-hams@ucsd.edu

>
> IS THE TERM BAUD LIKE MOST PEOPLE USE OR IS IT BAUDS LIKE THE ARRL FOLKS
> USE?
> Roy

I've been bugged by the way ARRL writes BAUDS for several years.

Look at it this way, a HERTZ is a cycle per second. Do we say HERTZS?

Dick Magerl
wa9zxm

Date: 29 Oct 93 10:30:22 GMT
From: news-mail-gateway@ucsd.edu
Subject: Help
To: info-hams@ucsd.edu

Hello!
I would like to subscribe for your list.

For more information, you can contact Mr. Vassilev at any time:

via E - mail: vasilev@decef.elf.stuba.sk(cs) via Radio:call LZ3XV or OM3KFF

SD "Mladost" C4-41	kv."3 chuchura" Bl.17
Stare Grunty 53	Vh. B Ap. 38 Et. 5
Bratislava 842 47	Stara zagora 6010
SLOVAKIA	BULGARIA

tel:(42) 7 722 704

tel:(359) 42 733 14

Department of Electrotechnology
School of Electrical Engineering
Slovak Technical University
Ilkovicova 3, Bratislava 812 19
SLOVAKIA

Sarcastic Quote: "...Pak shte se sreshtnem sled deset godini..." FSB

Date: Fri, 29 Oct 1993 06:56:56 GMT
From: rtech!amdahl!netcomsv!netcom.com!msattler@decwrl.dec.com
Subject: Studying in San Francisco
To: info-hams@ucsd.edu

Those of you who sent me such inviting and pleasant email, thank you. I haven't gotten back to all of you yet, but I will. Others worried that I don't yet have a ticket and I'm playing with HTs. Let me put those of you at ease; I haven't touched the PTT button yet. I am working my way through the study book...

Being a computer programmer, I am indulging my fascination with the hardware and protocol surrounding two-way communications. A few questions have come up in my explorations that I think are appropriate for this list.

I've modified my Kenwood TH-78A by removing diodes 4 and 5 as specified and it's now able to do cross-band and rx 300-399 and 800-999 Mhz. The latter carries cellular traffic across a range I haven't yet determined, but the former seems to be perpetually quiet. I'm guessing that there is a reason that this band is made available...

What are the other three diodes for?

Do I need (and does someone make) an antenna that handles all four

I'd heard it said (back in CB days) that a mobile antenna interacts with the vehicle it's mounted on: a center-of-the-roof mount made for a round pattern while a rear-bumper mount makes for a cigar-shaped pattern that leads the vehicle. Is this true? Does this affect whip antennae that drape over the entire vehicle?

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All that is required for evil to triumph is
for {wo}men of good will to do nothing.

```

+-----) (-----+-----o +9v 1.5 ma
|                                     |
### .001 >                                     )
< 47k                                     |_ _ )
>                                     -|- ) L1
|                                     --- )
| C1                                |   )
|                                 |   )
| 2N3904                         |   ) (-----o 19" whip
|                               |   ) (-----
+--[:]-----+ /-----|-----) L2 |
| X1          | | /      c                ###
###          +---|
|              |\     e
|              \
+-)(---+---)(-----+               |
| 47pf | 100pf |                 ### Common wire
<      <                    ###
33k    >      > 2200 ohms
>      >      pf=uuf           Res any %tol, 1/8watt
|      |

```

###

X1 to be any submultiple of the desired F0 F0/9 being the closest you can get, cuz the xtal runs in its fundamental mode only.

A 3.58 mc TV crystal will , on 41st harmonic, give 2 mtrs +/- error of course, ... so you may wanna keep that in mind.

putting a series cap---variable--- to the xtal (get one a hair low in freq)...you can tune it up to proper freq. Use => 70 pf to do it.

Coil L1 to be .05 to .1 uh 6 turns on a bic pen body, adj length to help C1...10-20 uuf variable (or use 10uuf fixed and adj coil only)

Coil L2 to be 1 - 1.5 turns...leading direct to ant whip.

HOW IT WORKS

The ckt is plain ol' R-C osc, with 47 pf and 100pf (which may need to be made twice the values in some cases*) as the feed back caps.

The collector sees gnd AT the xtal fo due to the tiny uh there...BUT the coil L1 and C1 act as a trap for 146mc band, and so extract what little amount of harmonic energy there is (not much , but...).

The osc then operates like any other, other wise...you'd NORMALLY take RF from the emitter via 4.7 to 10 pf.

In THIS case tho, we WANT the harmonic, so L1-C1-L2 is put to use. RF out put is on the order of u-watts ... suited for use as sig gen to align radio sets with, or to acid test the hearing ability of it's user. (abuser?)

The cheapest of 9v batterys will give 15ma for 28 hrs...so HERE we are talking about like 280 hrs...no need for a power supply

As this ckt will work from 5 to 18 volts....
you could series up AA cells or solar cells if you wanted to...

HOW TO USE

As you get rig aligned so it can hear the test osc up close, just move it further away.

Receiver to have a 56 ohm resistor in place of the antenna, so you don't have to put the test osc across the street to make it weak enough to be 50% full quieting.

After tweaking Rx for best reception, re-move test osc futher away...etc.

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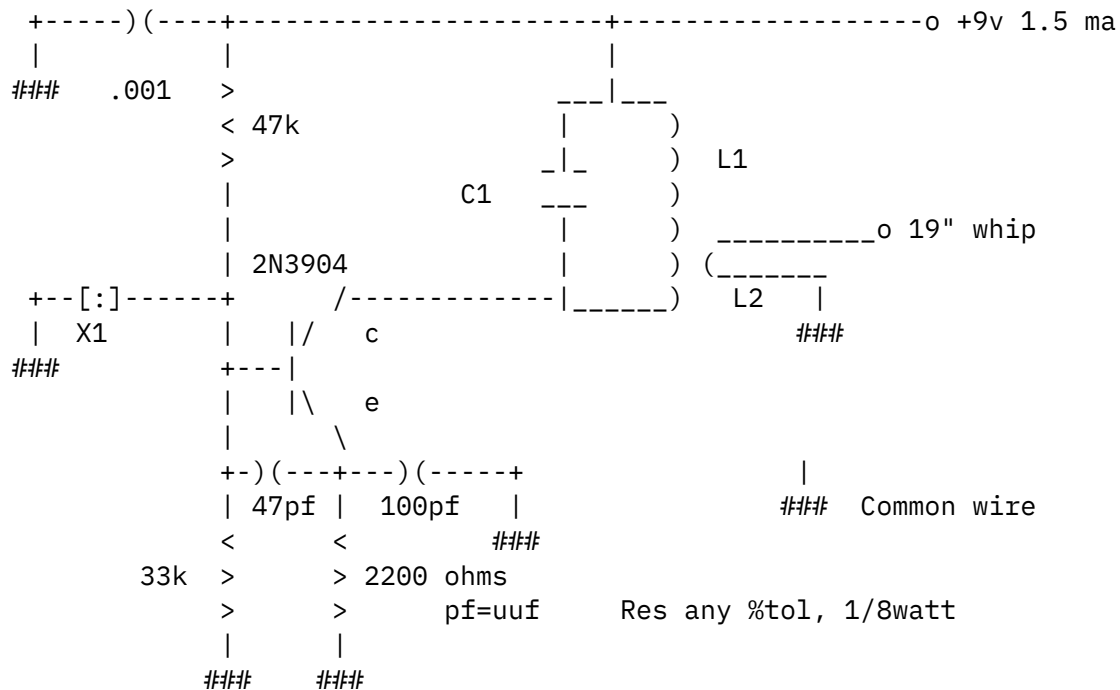
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100kc thru about 16mc (fundamental modes)

```
--
Randy KA1UNW           If you get a shock while
                        servicing your equipment,      "Works for me!"
randy@192.153.4.200    DON'T JUMP!                    -Peter Keyes
                        You might break an expensive tube!
```

Date: Wed, 27 Oct 93 17:54:40 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!newsserver.jvnc.net!
a3bee2.radnet.com!cyphyn!randy@network.ucsd.edu
Subject: test osc(Ka1kjz needs)
To: info-hams@ucsd.edu

Not sure if this group exists any more, but here goes...



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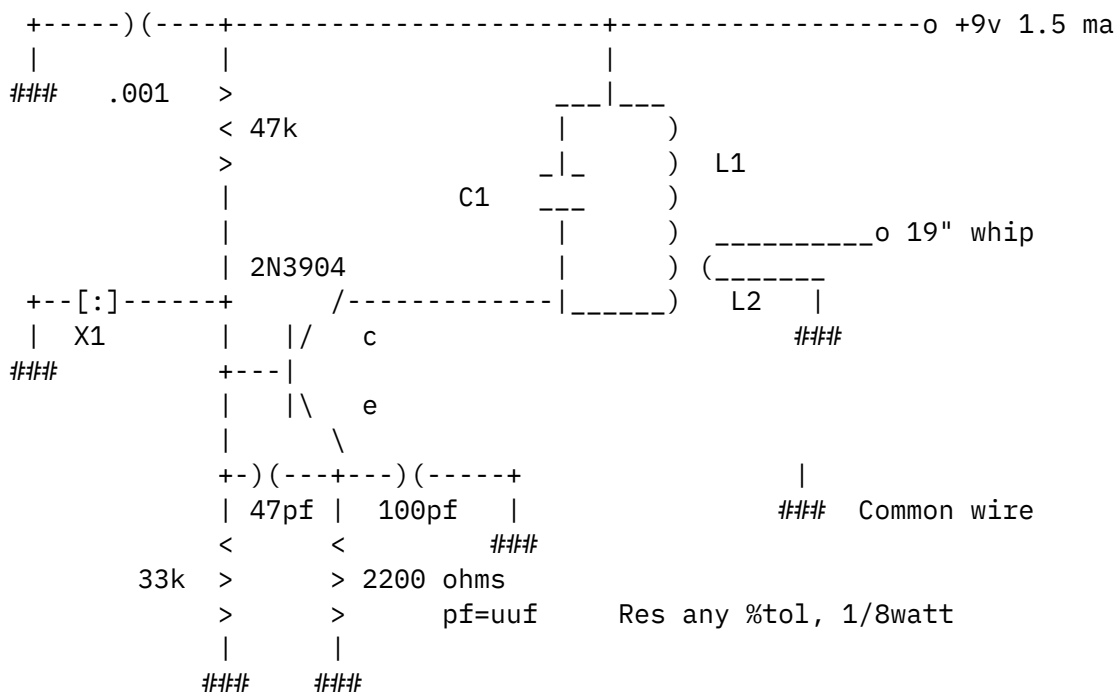
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 randy@192.153.4.200 DON'T JUMP! -Peter Keyes
 You might break an expensive tube!

 Date: Wed, 27 Oct 93 18:53:27 GMT
 From: dog.ee.lbl.gov!agate!howland.reston.ans.net!newsserver.jvnc.net!
 a3bee2.radnet.com!cyphyn!randy@network.ucsd.edu
 Subject: test osc ka1kjz needs
 To: info-hams@ucsd.edu



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-Peter Keyes

You might break an expensive tube!

Date: Thu, 28 Oct 1993 23:09:24 GMT

From: nevada.edu!jim!envoy!jim@uunet.uu.net

Subject: TS450S TX mod
To: info-hams@ucsd.edu

I have tried unsuccessfully to find general coverage tx mod instructions for the TS450S that have actually been tried and tested. Has anyone performed this mod or watched a dealer do it? Thanks.

Date: Wed, 27 Oct 1993 19:15:13 GMT
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!pipex!sunic!psinntp!psinntp!gdstech!gdstech!bat@ames.arpa
Subject: ZA1QA - Anyone Get a QSL??
To: info-hams@ucsd.edu

If you need a ZA card badly, go work a few more. Keep working different ones until you get a card. ZA1Z was on 7008.5 on 10/23 at 2217z, and ZA1E was on 21018 on 10/23 at 1832z. You should be able to knock these guys off, then go into card-waiting mode like the rest of us. GL.

--

* Pat Masterson D12-25 | KE2LJ@KC2FD ** Grumman Data Systems | 516-346-6316. ** Bethpage, NY 11746 | bat@gdstech.grumman.com *-----

Date: Wed, 27 Oct 1993 17:57:58 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!spool.mu.edu!sgiblab!sgigate.sgi.com!fido.asd.sgi.com!odin!chuck.dallas.sgi.com!adams@network.ucsd.edu
To: info-hams@ucsd.edu

References <2507@arrl.org>, <DRT.930ct26092851@al-burro.mit.edu>,
<19930ct26.161942.19759@worldbank.org>gi.
Subject : Re: 'Vanity' Call Signs

In article <19930ct26.161942.19759@worldbank.org>, dearnshaw@worldbank.org (Darrell Earnshaw) writes:
...stuff deleted...
> (Pity really, I though the U.S. was one of the last sane places left where
> prefixes didn't change with the weather conditions!)
>
> -- Darrell NR3Y
>

OK, let's open up this can of worms.

PREFIX - 1) to place in front 2) an affix attached to the beginning of a word, base, or phrase and serving to produce a derivative word or an inflectional form

Thus, I believe that K5 is the prefix component of my call. That makes it unique from W5F0, WA5F0, KN5F0,

We have the Continental US divided into 10 zones, etc. At the present time this division means nothing. Any ham permanently residing in any zone can own any call from any other zone from which they transferred, bringing their old call with them. Is this country the only one in the world, where a country is divided up into zones or regions assigned specific prefixii (;-) , that currently allows this?

The reason this is a bother - if i'm looking for a state, etc. for an award or multiplier in SS or whatever, I have no earthly idea on their geographic location any more. Does it bother anyone else?

Carrying this further. Can I sue Arizona, if I should chose to move their, to allow me to bring and use my Texas license plate tags? Me thinks not.

Carry this own to the international level. Can a ZD9 move to TU land or whatever and take their call?

So can we go back to the division with the new opening of the calls missed or whatever and get the system back in order?

Just a nit pick. It's not like the call is you. You are you. Dubs on K5E.

dit dit

: -)

--

SIG

-----cut here-----

Chuck Adams, K5F0 - CP60

adams@sgi.com

Date: 28 Oct 1993 19:29:11 GMT

From: drt@athena.mit.edu

To: info-hams@ucsd.edu

References <DRT.93Oct26092851@al-burro.mit.edu> ,

<1993Oct26.161942.19759@worldbank.org> , <CFKHwn.Lnn@odin.corp.sgi.com>usc

Subject : Re: 'Vanity' Call Signs

In article <CFKHwn.Lnn@odin.corp.sgi.com>, adams@chuck.dallas.sgi.com (Charles Adams) writes:

|>
|> OK, let's open up this can of worms.
|>
|> PREFIX - 1) to place in front 2) an affix attached to the beginning of
|> a word, base, or phrase and serving to produce a derivative word
|> or an inflectional form
|>
|> Thus, I believe that K5 is the prefix component of my call. That makes it
|> unique from W5FO, WA5FO, KN5FO,

Well, I think in the US, each call must consist of a prefix of one or two letters, followed by a number, followed by a suffix of one to three letters. ITU regs are more complex, but prefixes still don't include a number.

|>
|> We have the Continental US divided into 10 zones, etc. At the present time
|> this division means nothing. Any ham permanently residing in any zone can
|> own any call from any other zone from which they transferred, bringing their
|> old call with them. Is this country the only one in the world, where a
|> country is divided up into zones or regions assigned specific prefixii (;-)),
|> that currently allows this?
|>
|> The reason this is a bother - if i'm looking for a state, etc. for an award
|> or multiplier in SS or whatever, I have no earthly idea on their geographic
|> location any more. Does it bother anyone else?

Yes, I can't stand it. Cheap for the FCC is the only reason.

|> Carrying this further. Can I sue Arizona, if I should chose to move their,
|> to allow me to bring and use my Texas license plate tags? Me thinks not.

Bad analogy. Callsign are Federal - as long as the prefix and format are right, how FCC assigns calls is up to them. Registration is a State matter. The Sovereign State of Arizona can tell you to stick those Texan plates up your tailpipe, if they want to.

|> Carry this own to the international level. Can a ZD9 move to TU land or
|> whatever and take their call?

Huge difference. ITU treaty requires the prefix be right, even if it's like "VE2/KG2S" (Yes, I know I can't legally do that for Canada, it's gotta be KG2S/VE2! What can I tell you ...) US rules allow you to use /extensions, but it can't be something that sounds like you're overseas, and it can't be KT, AG, AA, or AE (and now you know why it's KT and not AT!)

|> So can we go back to the division with the new opening of the calls missed
|> or whatever and get the system back in order?
|>
|> Just a nit pick. It's not like the call is you. You are you. Dubs on K5E.

No, I really think most amateurs consider their calls to be parts of
their identity.

-drt

--

David R. Tucker KG2S 8P9CL drt@mit.edu

|'Most political sermons teach the congregation nothing except |
what newspapers are taken at the Rectory.' -C.S. Lewis

End of Info-Hams Digest V93 #1281

